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MEMORANDUM

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Underground Inspection of Stopes, Bunker Hill Mine

TO: Bunker Hill Mine Water Management File, Project No. 148562.02.01
COPIES: Jim Stefanoff/SPK
FROM: Matt Germon/SPK
DATE: November 2, 1998

On Thursday, October 29, 1998, Bill Hudson, Jim Stefanoff, and Matt Germon entered the Bunker Hill Mine to inspect some of the stopes. The purpose of the visit was to identify stopes that could potentially be used to dispose sludge from the Central Treatment Plant, and to obtain a better understanding of the flow conditions on the 5 Level.

After a health and safety briefing with Bob Hopper and again with Bill, we entered the mine system through the Sullivan No. 2 adit at about 11:00 AM. We advanced horizontally for a few hundred feet and then descended down a ramp a few hundred feet to the first access point to the Hannah stope. There were several access points to the stope on this first sublevel. After taking a few photos, we walked to a service raise and descended about 60 feet to the next sublevel. There were 3 to 4 access points on this sublevel. Again we descended about 60 feet and to another sublevel which had only one access point. We climbed down another 80 feet or so past a sublevel with limited access to the raise. The service raise ended at the 5 Level, which had 4 or 5 access points (see photos). The stope varied in dimension from about 40 feet to 100+ feet across (both directions), and Bill indicated that the stope ended at the 6 Level, about 200 feet below the 5 Level.

We observed two smaller stopes during our site visit. The first was connected to the second sublevel down from the ramp, and the second was connected to the 5 Level. The horizontal dimensions were smaller than the Hannah Stope, and depths were unknown.

We encountered mine drainage throughout the visit, but most significant amounts were observed on the 5 level. From our access point to the 5 level, we walked to the end of the New East Reed Drift past the New East Reed Flume to the reed drill holes (a few hundred feet). Once at the end, we turned around past the access point and advanced about 150 feet to the Russell Dam (confluence of the New East Reed and Old East Reed drifts, see photos). The amount of mine drainage downgradient from the confluence made it difficult to advance beyond this point with rubber boots. After taking a few pictures, we ascended back up the service raise and came out the Sullivan No. 2 adit at about 1:45 PM.

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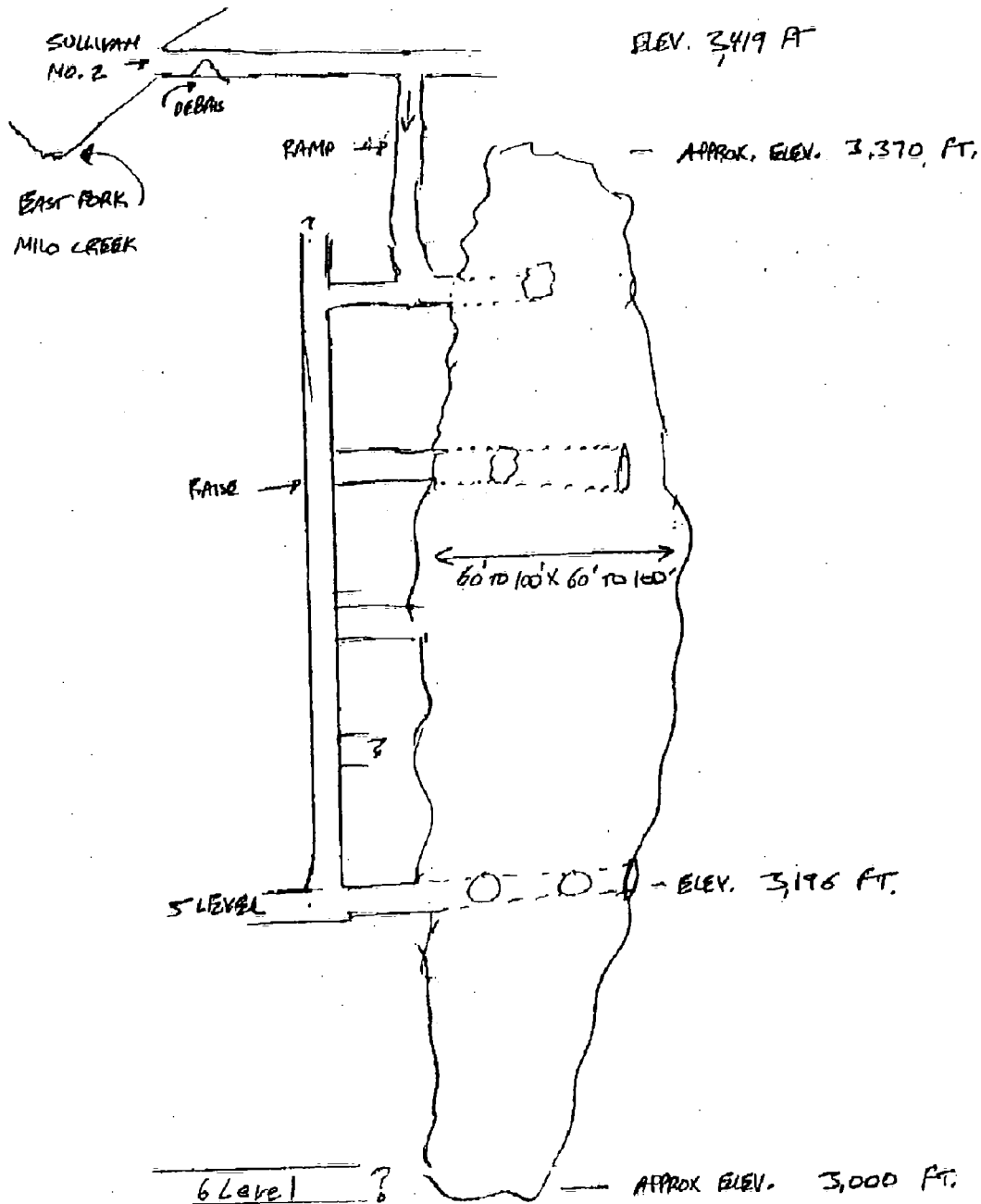
BY E. M. GERMON

HANNAH STONE - CONCEPTUAL MAP

SHEET NO. 1 OF 1 DATE 11/2/98

BUNKER HILL MINE

PROJECT NO. 148562.02.01



NOT TO SCALE

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